

CITIZEN

New Network Cards

CL-S521II, CL-S621II

CL-S700II series

- And 300 dpi versions
- And Type 1 versions
 - CL-S521, CL-S621, CL-S700



New **Premium** LAN

IF5-ES04



Old part numbers:

2000414, 2000405 CSE

OPT-788-N CSA

PS102 SEH

Field upgradable to WiFi

by adding Citizen

Wireless dongle:

UPG-WF5S or UPG-WF5L

	Old board	New IF5-ES04
Branding on User Interface	PrintServer	LinkServer™
LAN speed	Up to 100 Mbps	Up to 1000 Mbps (1Gbps)
Board speed		x10 faster
WiFi upgradable	No	Yes

New **Premium** WiFi

IF5-WF5x

IF5-WF5L

**Long range,
high-gain antenna**



IF5-WF5S

Standard antenna

Old part numbers:

2000406 CSE

OPT-797 (+801, 802) CSA

PS152 SEH

	Old board	New IF5-WF5x
Branding on UI	PrintServer	LinkServer™
LAN speed	No LAN	Up to 1000 Mbps (1Gbps)
WiFi frequencies	2.4 Ghz	2.4 + 5.0 Ghz
Aerial type	Compact	Compact + Long Range
WiFi Site Scan	No	Yes
Encryption standards	Limited to older protocols	Wide ranging, newest protocols, expandable

New **Compact** LAN**IF5-EFX1**

(model number)

PPS00488S

(part number)



Old part numbers:

2000432

CSE

New Part Number

PPS00488S

CSE

	Old board	New IF5-EFX1
User interface	Basic settings only	Full menus and configuration
Access control	No	Yes
Firmware upgrade	Return to Citizen	Remotely updatable

New **Premium** cards**IF5-ES04**
IF5-WF5x

	General Technical Specification
Processor	Armada 88F3710 A53 Core
RAM	256 Mb DDR3
Flash	32 Mb SPI
Ethernet	RJ45 connection 1000Base-T (Gigabit LAN) 100Base-TX 10Base-T
Wireless LAN option	USB 2.0 connection supporting Citizen WiFi upgrades
Wireless LAN Standards	IEEE802.11 a, b, g, n, ac.
Frequencies	2.4 GHz: (2.412 – 2.462, ch 1 to 14) 5.0 Ghz: (5.15 – 5.35 & 5.47 – 5.725)
Transmission Rates	802.11b: 11Mbps; 802.11g: 54Mbps 802.11n: 300Mbps; 802.11ac: 1,300Mbps
Security Protocols	WPA2-PSK (AES, TKIP), WPA-PSK (AES, TKIP), WEP (128/64 bit)

New **Premium** cards

IF5-ES04

IF5-WF5x



Simplest way to Configure / Connect to WiFi

Configure By LAN

Plug in LAN cable and start printer. Wait 30s then push test button to print LAN DHCP address
Enter IP to web browser, e.g. 192.168.20.3 (removing leading zeros)



Next to Citizen logo, top left, indication shows LAN connection only.

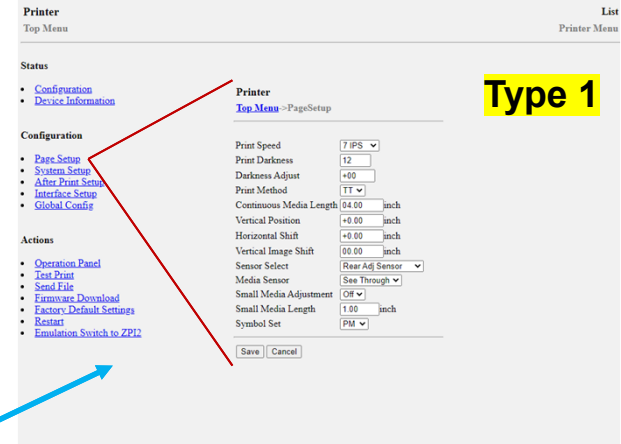
- Click on "Status", "Wireless" link on left. Let local WiFi scan complete
- Choose Network by clicking the buttons 1,2,3
- Enter PSK / password details and Save.
- Remove LAN cable and restart printer
- Check for Wireless LAN connection
- The IP address, given by DHCP, will generally be the same as the LAN address as the MAC address doesn't change whether it is LAN or WiFi.

Connection Status	INACTIVE 		
Current network name			
P2P address			
UUID	55ac92a7-282b-5ce2-9607-f57dbb86ca82		
Level / Noise	(0 / 0)		
Wi-Fi Protected Setup (WPS)	off		
Manufacturer	2357 / 011e		

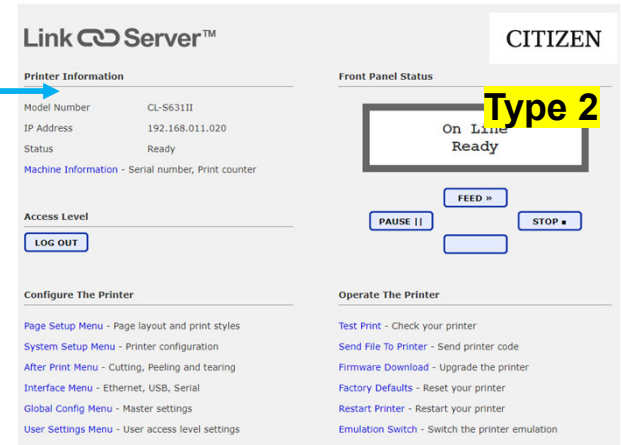
Network List			
No.	Level	Network name (SSID)	Mode [Channel/Freq]
1		SKYD1EFC	[WPA2-PSK-CCMP][WPS-AUTH][ESS] Infrastructure[36/5180]
2		13HA	[WPA2-PSK-CCMP][ESS] Infrastructure[44/5220]
3		13HA	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][WPS][ESS] Infrastructure[36/5180]
4		13HA	[WPA2-PSK-CCMP][ESS] Infrastructure[36/5180]
5		13HA	[WPA2-PSK-CCMP][ESS] Infrastructure[1/2412]
6		13HA	[WPA2-PSK-CCMP][ESS] Infrastructure[11/2462]

Type 1 vs Type 2 Printer Management Web Pages

- Both the IF5-ES04 or the older PS102 (2000414) can access the printer's Printer Management configuration webpages
 - Setup speeds, feeds, printer configs
- The appearance of the configuration pages will depend on whether you are using a CL-S700 Type 1 or CL-S700II Type 2
- Applies to Type 1 or 2 of CL-S521, 621, 631, 700R, 703
- Type 1 printers will generate the more basic "Printer" config menu
- Type 2 printers will generate the LinkServer™ pages
 - You will need to enter a username "Admin" and password "Admin" for access.
 - These pages are the same as CL-E720 and CL-E300 series
- The webpage from the NETWORK card will be LinkServer brand for IF5-ES04 but PrintServer branding for the PS102.
- The IF5-EFX1 compact card does not support the remote Printer Management



Type 1



Type 2

Models Supported and recommended minimum firmware

Due to hardware changes to the optional interfaces, we strongly recommend upgrading the printer firmware to the minimum version below - especially for the PREMIUM boards - for correct operation. Old firmware may result in slow operation and some features being unavailable.

Printer		Firmware version
CL-S521II, CL-S621II	Current, Type 2 Warehouse stock will eventually ship with this f/w or later	FC000200
CL-S531II, CL-S631II		FD000200
CL-S700DTII, CL-S700II, CL-S700RII		FE000200
CL-S703II, CL-S703RII		FF000200
CL-S521, CL-S621	Previous Type 1 Firmware available from website	DR000800
CL-S631		DS000800
CL-S700DT, CL-S700, CL-S700R		DA041600
CL-S703, CL-S703R		DD001200